

Title (en)
METHOD FOR CONTROLLING AN AUTOMATIC GUIDED VEHICLE AND CONTROL SYSTEM ADAPTED TO EXECUTE THE METHOD

Title (de)
VERFAHREN ZUR STEUERUNG EINES AUTOMATISCH GEFÜHRTEN FAHRZEUGS UND STEUERSYSTEM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)
PROCÉDÉ DE COMMANDE D'UN VÉHICULE À GUIDAGE AUTOMATIQUE ET SYSTÈME DE COMMANDE CONÇU POUR EXÉCUTER LE PROCÉDÉ

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Application
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Abstract (en)
[origin: CA3172332A1] According to the present invention, a method for controlling an automatic guided vehicle (AGV) to transport at least two loads from a load picking-up area to an operating area in which the at least two loads are to be placed in corresponding loading areas is provided. This method can comprise the steps of picking-up a first load with the AGV in the load picking-up area, guiding the AGV with the first load by guiding means from the load picking-up area to the operating area, moving the AGV in the operating area to map virtual boundaries in the operating area within which the at least two loads are to be placed in the corresponding loading areas, generating a loading pattern for placing the at least two loads in the corresponding loading areas within the virtual boundaries in the operating area and generating travel trajectories which the AGV has to travel with each of the at least two loads to place the at least two loads in the corresponding loading areas, placing the first load in the corresponding loading area based on the generated loading pattern and the generated travel trajectory for the first load, mapping the operating area with the placed first load placed in the corresponding loading area and verifying whether the first load in the corresponding loading area corresponds to the loading pattern in such a manner that the at least one further load is able to be placed according to the loading pattern, and if the first load in the corresponding loading area does not correspond to the loading pattern in such a manner that the at least one further load is able to be placed according to the loading pattern, correcting the position and/or orientation of the first load in such a manner that the at least one further load is able to be placed according to the loading pattern.

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